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TITLE: EXECUTION ORDER AUTOMATIC DETERMINING SYSTEM
FOR DATA FLOW DIAGRAM TYPE PROGRAM
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ABSTRACT:

PURPOSE: To set the execution order without manual operation by building a program, which automatically sets the execution order, in an editor which generates the application program of a controller.

CONSTITUTION: A stack 105 is used when elements to be operated are successively retrieved upward from below. That is, element numbers of elements whose execution order is not settled are pushed to the stack for the purpose of holding them. Then, retrieval arrives at the uppermost element, and the element number of this element remains in the top of the stack 105. At this time, one route reaching the lowermost element from the uppermost

element
remains in the stack 105. The element number in the top of the stack
105 is
popped and is transferred to an execution order output buffer 103 for
output of
the execution order. This processing is repeated to settle the
execution order
up to the lowermost element. Thus, the execution order is accurately
determined in a short time by the computer.

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